

# **Emergency Preparedness Performance and Initiatives**

Industry Review of Tabletop Drills:  
Lessons Learned

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# Table Top Drills

- There are 3 overarching objectives for the tabletop drills.
  - To pilot the Nuclear Energy Institute (NEI) process for security related drills and exercises.
  - To provide an outreach opportunity to our emergency preparedness partners in the community.
  - To validate and improve internal processes and procedures.



# Table Top Drills

- Tabletop drills are not intended to indicate flaws or weaknesses in the security of a nuclear power plant.
- Rather, they are to provide opportunities for the licensee and multiple offsite response organizations, to come together and practice emergency response and integrated consequence management, under extreme or incredible circumstances.



# Table Top Drills

- The tabletop drill consists of two phases of an event:
  - Initial Event Response: to deal with receipt of threat information and near term actions associated with classification, notification, and internal and external protective action activities.
  - Post Event Response: to deal with consequence management of a loss of large area of the plant.

# Table Top Drills

- Three table tops have been done to date:
  - Diablo Canyon – July
  - Duane Arnold – November
  - North Anna - December

# Table Top Drills

- At Diablo Canyon, the Initial event began with a notification to the control room of an airliner, 30 minutes out from the plant, with hostile intentions, vectoring to the plant site.
- The first 30 minutes was used by the Control Room staff to implement procedures, rapid notifications from the control room to offsite agencies, mobilization and relocation of the Emergency Response Organization (ERO), Security, Fire and Medical personnel.

# Table Top Drills

- Subsequent to the crash the scenario included:
  - Loss of emergency response facilities.
  - Loss of safety related equipment, communications equipment, radiological detection instruments, ventilation systems, and dose assessment equipment.
  - A large, accelerant fed fire engulfed many areas of the turbine building and auxiliary building, on multiple levels.
  - Casualties were numerous and in multiple locations.

# Diablo Canyon Power Plant

































# Lessons Learned

- Requests for offsite assistance should be coordinated through a central location, to help eliminate the myriad calls and requests being made of offsite agencies.

# Lessons Learned

- Security-related EALs based on Bulletin 2005-02 were utilized for the drills.
  - These EALs result in a more rapid escalation to the Site Area Emergency which may require reallocation of offsite resources.

# Lessons Learned

- **Control of air space, both in and around the facility, as well as throughout the State and Country, was not clearly understood.**
  - Local airports may be shutdown for both strategic and security reasons.
  - Air space around the plant may be restricted, resulting in concern about how to get key officials to the scene, how to perform medivac, and how to use air tankers for possible fire fighting efforts.
  - Some guidance is in place. It's just not well known.



# Lessons Learned

- There is a diversity in communications styles, methods, and standards, between ORO's and licensee facilities.
  - This should be the subject of continued and ongoing dialogue with the ORO's.
  - It should be evaluated as to whether or not procedural guidance could be made to aid in this area.

# Lessons Learned

- Press releases from the utility should include information about crash victims, as may be appropriate.
  - The licensee needs to pay close attention to the human aspect of the event in addition to concerns about the plant itself.



# Lessons Learned

- Improvement is needed in media centers to be able to obtain rapid and accurate information.
  - Media Centers are not the only locations from which media releases will be made, which spreads resources thin.
  - Coordinating media releases with stakeholders such as FBI and Attorney General.



# Conclusion

- The pilot program table top drills were effective.
- Lessons learned are being used to help others in the industry do effective drills.





# Conclusion

- Discussion
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